

Figure 1. Classification of Microvalves.

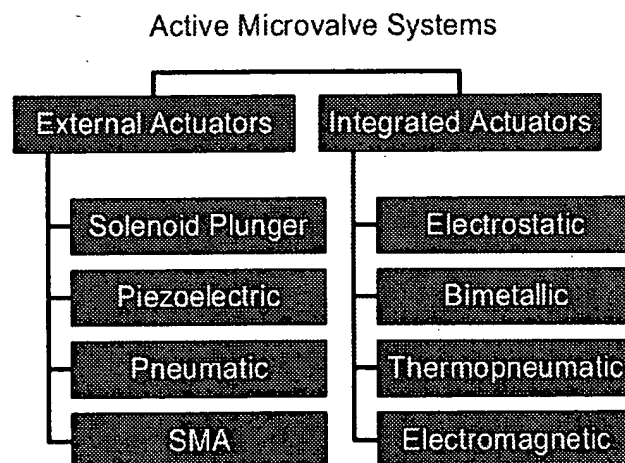


Figure 2. Summary of Microvalve Actuation Mechanisms

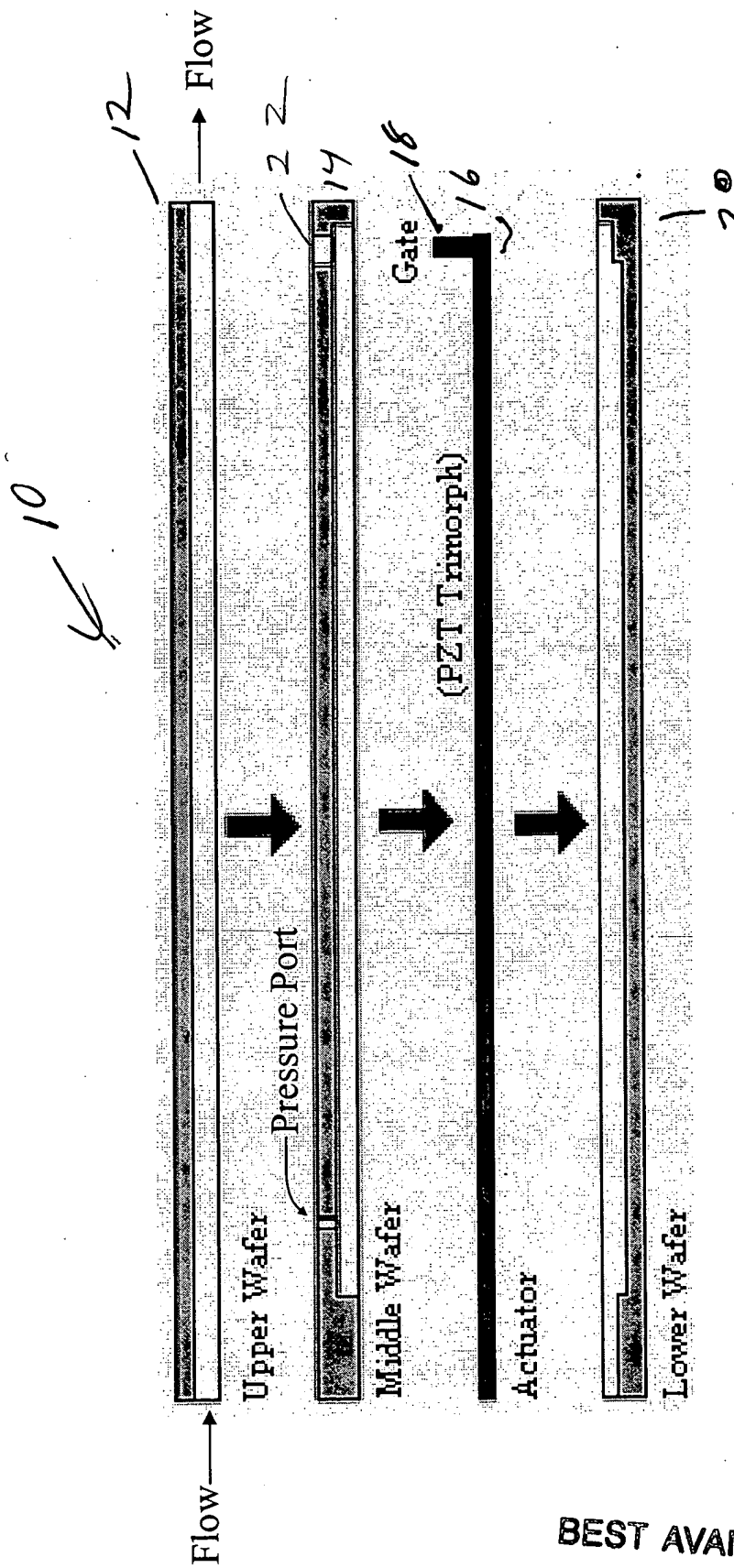


Fig. 3

MICROVALVE ASSEMBLY
CROSS SECTIONAL VIEW

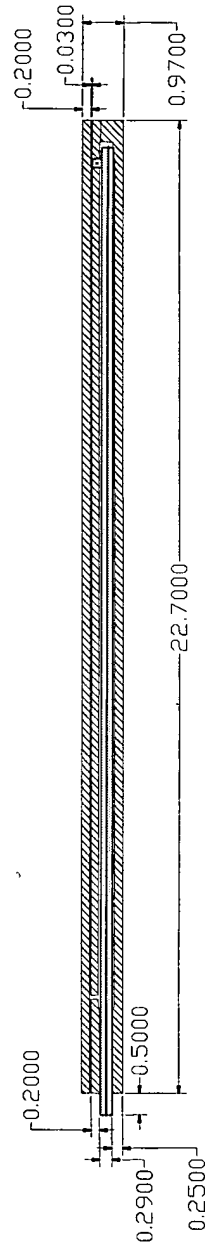
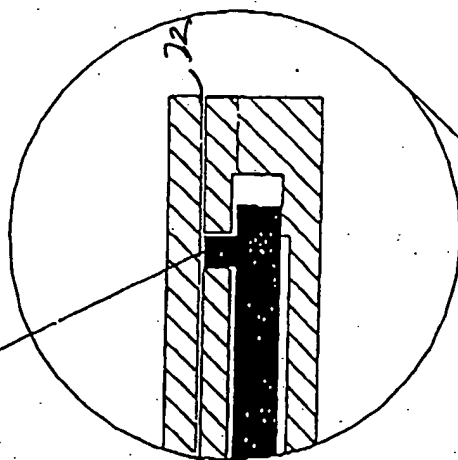


Fig 36

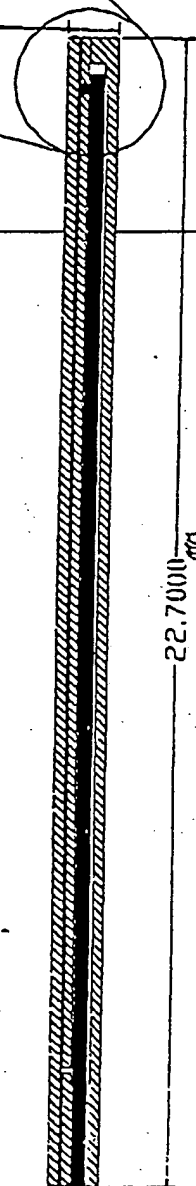
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VALVE OPEN



0.9700mm

MICROVALVE ASSEMBLY
CROSS SECTIONAL VIEW



22.7000mm

Fig 30

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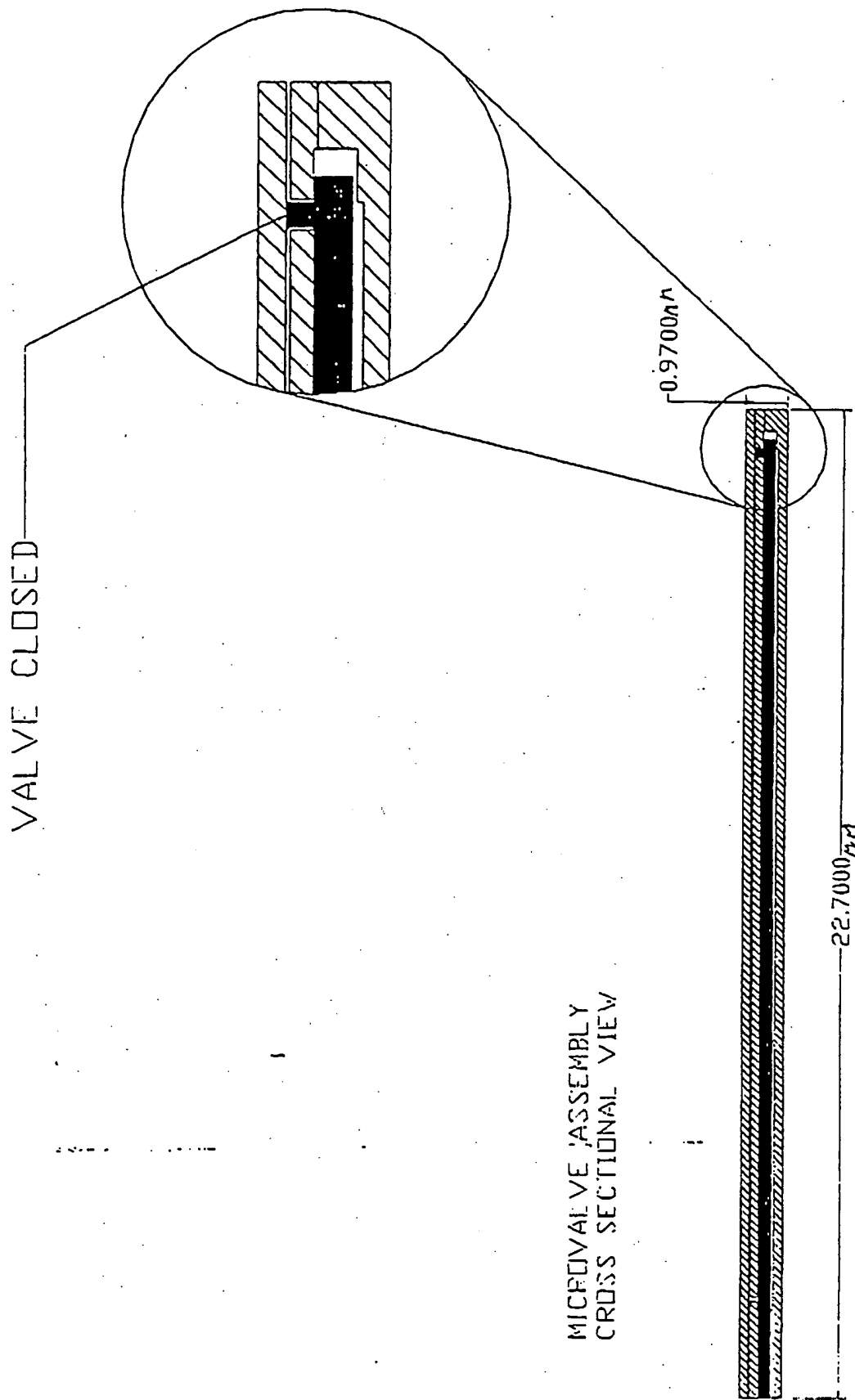
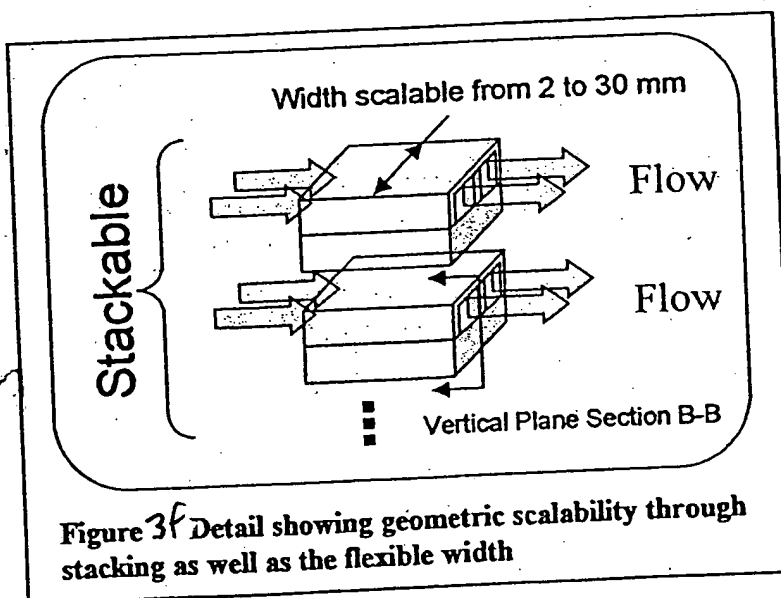
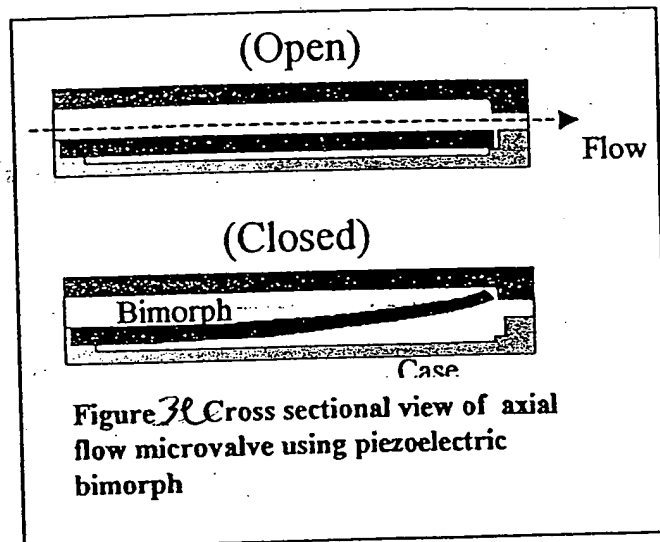


Fig 3d

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Fig 4

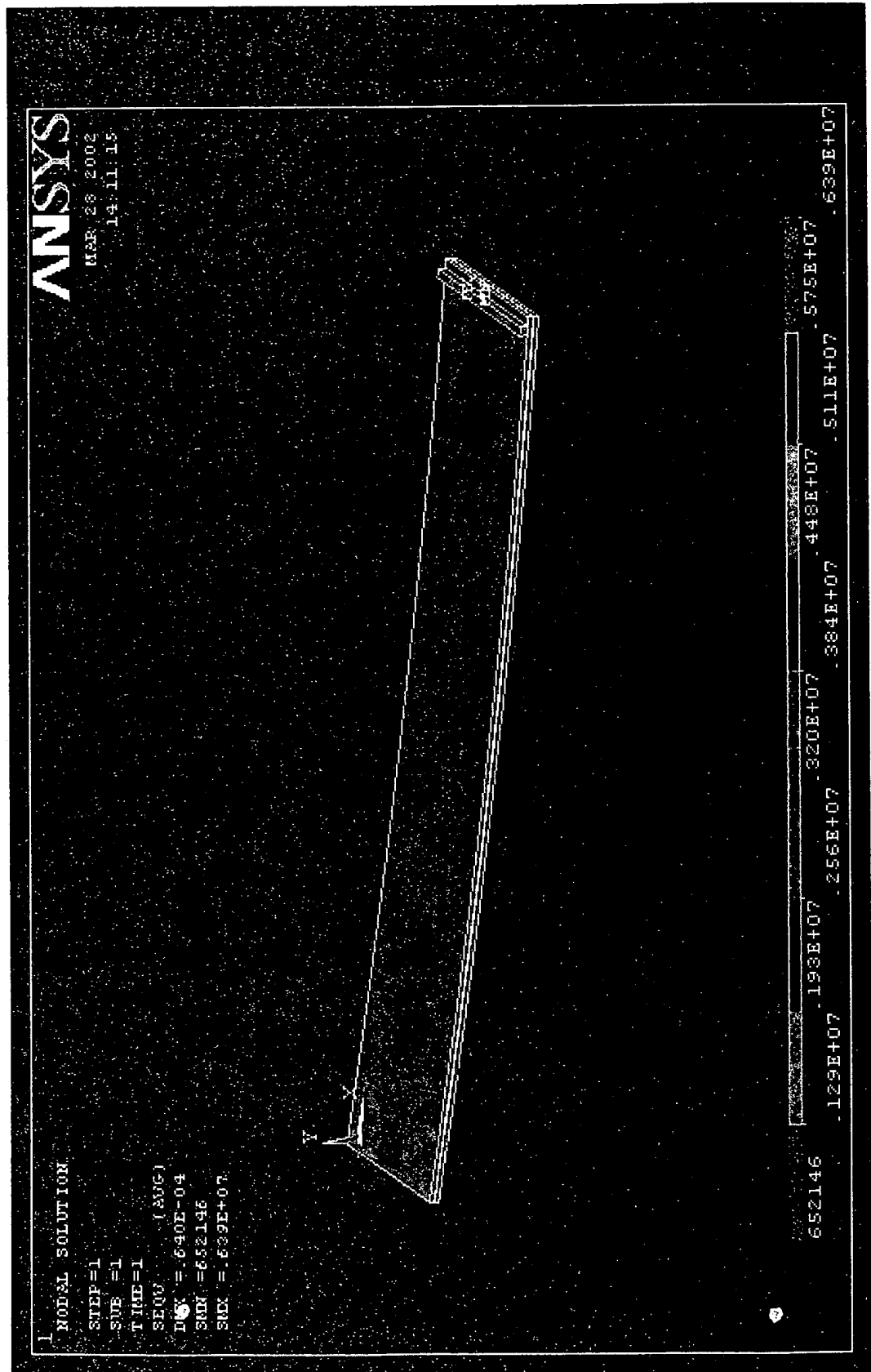


Fig 5

ANSYS

MSK 28 2002
13:56:48

1 MODEL SOLUTION

STEP=1

SUB =1

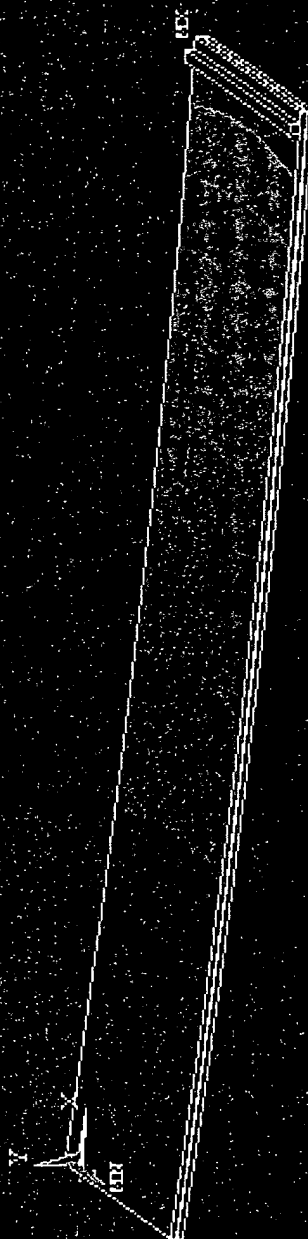
TIME=1

UTX (NOG)

DMX =.646E-04

SAM =-.888E-07

SAX =.640E-04



- .888E-07	.704E-05	.148E-04	.284E-04	.437E-04	.569E-04
		.819E-04	.955E-04	.998E-04	.640E-04

Fig 6

